Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/29/2018 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126208	0	2.43	126165	2.51
Blue	F	SSC	125000	124157	-1	2.05	124817	2.07
Blue	E	FITC	15760	15632	-1	3.04	339	22.86
Blue	D	PE	25880	25432	-2	2.13	552	17.06
Blue	B	PerCP-Cy5-5	34075	34068	-1	4.35	1041	23.13
Blue	A	PE-Cy7	22776	22744	-1	7.71	555	46.78
Red	C	APC	42488	41822	-2	2.74	1578	13.28
Red	A	APC-Cy7	24478	24146	-2	2.92	836	13.27
Violet	B	V450	6304	6137	-3	4.23	348	18.04
Violet	A	V500	26005	24984	-4	3.77	587	13.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20937	11.99	613	16	N/A	N/A	Pass
Blue	F	SSC	56427	1.43	582	27	N/A	N/A	Pass
Blue	E	FITC	59	77.66	566	10	0.0155	251	Pass
Blue	D	PE	115	59.67	560	11	0.1302	338	Pass
Blue	B	PerCP-Cy5-5	196	56.53	661	14	0.0071	73	Pass
Blue	A	PE-Cy7	107	117.05	714	17	0.0084	28	Pass
Red	C	APC	367	28.79	603	3	0.0205	187	Pass
Red	A	APC-Cy7	203	29.48	574	3	0.0045	1011	Pass
Violet	B	V450	56	82.64	504	15	0.0259	2429	Pass
Violet	A	V500	86	45.74	520	14	0.0127	966	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.30	-30.78	0.92
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	16.01	13.60 - 20.40	N/A	N/A	30.86	31.34	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10007

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments